Nathanial Schaffner

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Development Languages - ANSI C, Java, x86, SQL, JSP, HTML, Ladder Logic
Toy Languages - JavaScript, Bash, Scheme, BASIC
Experimental Languages - Objective-C, Swift, MIPS assembly
Operating Systems Expertise - FreeBSD, CEntOS, Debian, Ubuntu, OS X, Windows Server

Work Experience

New York Internet
Systems Administrator and Datacenter Technician (July '12 - May '13)
- Assembled, installed, and configured dedicated servers
- Racked, configured, and installed colocated equipment
- Triaged client and internal resource downtime
- Remote hands, phone, helpdesk, and email communication with clients
- Windows, OS X, Linux, and FreeBSD server deployment experience
- Completed an individual research project focusing on WADK and WAIK server deployment and backup automation
- [Left in response to lack of positive or negative managerial review, and hostile work environment]

Rutgers University Laboratory for Computer Science Research
Student Operator (February '09 - August '11)
- Performed DLT backups of legacy systems and department printing resources
- Triage incoming trouble tickets from faculty, staff, and students
- Completed individual research projects in ultrasound navigation and entomological drive systems, as well as virtualizing and rebuilding custom FVWM interface for hardline consoles into Cisco switches and all clustered machine room servers
- [Left in an attempt to balance a higher-paying part-time position]

Promotion in Motion Brands
Engineering Intern (June '11 - October '11)
- Conceptually implemented, diagrammed, calibrated, developed logic for and implemented touch HMI for PLC of day tank storage system in order to reduce delay of ingredient supply and increase kitchen and plant throughput
- Implemented security feature requests for touch HMI into restricted-access zones
- Implemented touch HMI requests for an experimental product line
- [Dismissed for disagreement over tenure of internship and resulting unsustainable professional-academic balance]

Rutgers University Mind Brain Analysis Laboratory - Dr. Stephen Jose Hanson's Laboratory
System Administrator and Researcher (October '10 - May '11)
- Studied default mode neural network literature
- Managed fMRI storage schema for 5-dimensional voxel data

Decrypted system administration policies and mechanisms of previous administrator
[Employ terminated at grant expiration]

Rutgers University ARESTY Research Program - Dr. Arnold Glass' Laboratory
ARESTY Research Assistant (May - December '08)
Studied a complex problem with data output from university online learning tools
[Employ terminated due to exclusion from research and focus on development]

Education
Rutgers University
School of Arts and Sciences (graduating May '16)
Bachelor of Science Degree in Computer Science
School of Engineering ('07 - '11)
Coursework in Biomedical Engineering
Coursework in Electrical and Computer Engineering
Coursework in Solar Engineering

Personal Qualifications
Eagle Scout: New Jersey Troop 18 - St Rose of Lima
Project:
Managed a troop of scouts in the planning, fundraising, and implementation of an orienteering course in Turkey Swamp Park of Freehold Township.
Personally used cartography software to design a web-accessible PDF. The original document seems to be missing, however others have taken the project further in my focus on academia.
http://www.waymarking.com/waymarks/WM5K1B

Student Government
Engineering Residence Hall Government ('07-'08)
President ('07-'08)
Engineering Governing Council
Class Representative ('07 - '08)
Internal Review Committee Chair ('08 - '09)
Senator ('09)
Busch Campus Council ('07 - '09)
Campus Representative ('07-'08)
Senator ('08-'09)
University Senate
Senator from the Busch Campus Council ('08 - '09)
Senator from the School of Engineering ('09)
Senate Parliamentarian ('09)

Zeta Beta Tau Fraternity
Executive Board ('09 - '10)
Judicial Board ('11)